



ATTORNEYS AT LAW



Robert Greene Sterne  
Edward J. Kessler  
Jorge A. Goldstein  
David K.S. Cornwell  
Robert W. Esmond  
Tracy-Gene G. Durkin  
Michael A. Cimbala  
Michael B. Ray  
Robert E. Sokohl  
Eric K. Steffe  
Michael Q. Lee  
Steven R. Ludwig  
John M. Covert  
Linda E. Alcorn  
Robert C. Millonig  
Lawrence B. Bugaisky  
Donald J. Featherstone  
Michael V. Messinger

Judith U. Kim  
Timothy J. Shea, Jr.  
Patrick E. Garrett  
Jeffrey T. Helvey\*  
Heidi L. Kraus  
Edward W. Yee\*  
Albert L. Ferro\*  
Donald R. Banowitz  
Peter A. Jackman  
Molly A. McCall  
Teresa U. Medler  
Jeffrey S. Weaver  
Kendrick P. Patterson  
Vincent L. Capuano  
Albert J. Fasulo II\*  
Eldora Ellison Floyd  
Thomas C. Fiala  
Brian J. Del Buono

Virgil Lee Beaston\*  
Kimberly N. Reddick  
Theodore A. Wood  
Elizabeth J. Haanes  
Bruce E. Chalker  
Joseph S. Ostroff  
Frank R. Cotttingham  
Christine M. Lhullier  
Rae Lynn Prengaman  
Jane Shershenovich\*  
Lawrence J. Carroll\*  
George S. Bardmesser  
Daniel A. Klein\*  
Rodney G. Maze  
Jason D. Eisenberg  
Michael A. Specht\*  
Andrea J. Kamage  
Tracy L. Muller\*

Jon E. Wright\*  
LuAnne M. Yuricek\*  
**Registered Patent Agents**\*  
Karen R. Markowicz  
Nancy J. Leith  
Ann E. Summerfield  
Helene C. Carlson  
Gaby L. Longsworth  
Matthew J. Dowd  
Aaron L. Schwartz  
Angelique G. Uy  
Boris A. Matvenko  
Mary B. Tung  
Katrina Y. Pei  
Bryan L. Skelton  
Robert A. Schwartzman  
John J. Figueroa

Timothy A. Doyle  
Jennifer R. Mahalingappa  
Teresa A. Colella  
Jeffrey S. Lundgren  
Victoria S. Rutherford  
W. Brian Edge  
**Senior Counsel**  
Samuel L. Fox  
Kenneth C. Bass III  
Lisa A. Dunner  
\*Admitted only in Maryland  
\*Admitted only in Virginia  
\*Admitted only in Texas  
•Practice Limited to  
Federal Agencies

November 21, 2002

**WRITER'S DIRECT NUMBER:**  
(202) 789-5525

**INTERNET ADDRESS:**  
BRIAND@SKGF.COM

Commissioner for Patents  
Washington, D.C. 20231

Art Unit 1645

Re: U.S. Utility Patent Application  
Appl. No. 10/050,902; Filed: January 18, 2002  
For: **Molecular Antigen Array**  
Inventors: Renner *et al.*  
Our Ref: 1700.0190004/JAG/BJD/SJE

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TECH CENTER 1600/2900

Sir:

Transmitted herewith for appropriate action are the following documents:

1. First Supplemental Information Disclosure Statement;
2. Form PTO-1449 listing the cited documents (seventy-eight (78) pages);
3. Copies of the cited documents; and
4. One (1) return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

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The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Brian J. Del Buono  
Attorney for Applicants  
Registration No. 42,473

JAG/BJD/SJE:krh

Enclosures

SKGF\_DC1:77506.1



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

RENNER *et al.*

Appl. No. 10/050,902

Filed: January 18, 2002

For: **Molecular Antigen Array**

Confirmation No. 7792

Art Unit: 1645

Examiner: *To be assigned*

Atty. Docket: 1700.0190004/JAG/BJD/SJE

**First Supplemental Information Disclosure Statement**

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Commissioner for Patents  
Washington, D.C. 20231

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Sir:

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Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. This Information Disclosure Statement is supplemental to an Information Disclosure Statement that was electronically filed on November 14, 2002.

In accordance with 37 C.F.R. § 1.98(a)(3), Applicants' undersigned representative submits the following, in regards to non-English language document AT37 cited on Form PTO 1449:

Document **AT37**, Kozlovskaya, T.M., *et al.*, "Formation of capsid-like structures as a result of the expression of a cloned envelope protein gene from RNA-containing bacteriophage fr," *Dokl. Akad. Nauk. SSSR* 287:452-455 (1986), is in the Russian language. An unverified English language abstract (from STNEasy/CAplus) is attached as Document **AR38**.

The Examiner is referred to the following related, co-pending patent applications:

U.S. Patent Application No. 09/449,631, filed November 30, 1999, inventors Renner *et al.*, submitted herewith as **AR77**;

U.S. Patent Application No. 10/050,898, filed January 18, 2002, inventors Renner *et al.*, submitted herewith as **AS77**.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered. This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No statement or fee is required.

Consideration of the cited documents and making the same of record in the prosecution of the above-identified application is respectfully requested. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Brian J. Del Buono  
Attorney for Applicants  
Registration No. 42,473

Date: Nov. 21, 2002

1100 New York Avenue, N.W.  
Suite 600  
Washington, D.C. 20005-3934  
(202) 371-2600

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FORM PTO-1449 FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 1700.0190004/JAG/BJD/SJE	APPLICATION NO. 10/050,902
		APPLICANT RENNER et al.	
		FILING DATE January 18, 2002	GROUP 1645

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL1 WO 92/11291 A1	07/09/1992	WIPO			Yes No
	AM1 WO 96/30523 A2	10/03/1996	WIPO			Yes No
	AN1 WO 97/31948 A1	09/04/1997	WIPO			Yes No
	AO1 WO 98/15631 A1	04/16/1998	WIPO			Yes No
	AP1 WO 00/32227 A2	06/08/2000	WIPO			Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	1	Abraham, J.M., et al., "An invertible element of DNA controls phase variation of type 1 fimbriae of <i>Escherichia coli</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 82:5724-5727, National Academy Press (1985)
AS	1	Abraham, S.N., et al., "Glycerol-Induced Unraveling of the Tight Helical Conformation of <i>Escherichia coli</i> Type 1 Fimbriae," <i>J. Bacteriol.</i> 174:5145-5148, American Society for Microbiology (1992)
AT	1	Adhin, M.R., et al., "Nucleotide Sequence from the ssRNA Bacteriophage JP34 Resolves the Discrepancy between Serological and Biophysical Classification," <i>Virology</i> 170:238-242, Academic Press, Inc. (1989)

EXAMINER	DATE CONSIDERED
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**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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	AL2	WO 00/59928 A1	10/12/2000	WIPO			Yes No
	AM2	WO 00/23955 A1	04/27/2000	WIPO			Yes No
	AN2	WO 01/62284 A2	08/30/2001	WIPO			Yes No
	AO2	WO 01/85208 A2	11/15/2001	WIPO			Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	2	Aguzzi, A., "Prion diseases, blood and the immune system: concerns and reality," <i>Haematologica</i> 85:3-10, Il Pensiero Scientifico Editore (January 2000)
AS	2	Ansel, K.M., et al., "In Vivo-activated CD4 T Cells Upregulate CXC Chemokine Receptor 5 and Reprogram Their Response to Lymphoid Chemokines," <i>J. Exp. Med.</i> 190:1123-1134, The Rockefeller University Press (1999)
AT	2	Ansel, K.M., et al., "A chemokine-driven positive feedback loop organizes lymphoid follicles," <i>Nature</i> 406:309-314, Nature Publishing Group (July 2000)

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	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>3</u>	Antonyamy, M.A., et al., "Evidence for a Role of IL-17 in Organ Allograft Rejection: IL-17 Promotes the Functional Differentiation of Dendritic Cell Progenitors," <i>J. Immunol.</i> 162:577-584, The American Association of Immunologists (1999)
AS	<u>3</u>	Arenberg, D.A., et al., "The murine CC chemokine, 6C-kine, inhibits tumor growth and angiogenesis in a human lung cancer SCID mouse model," <i>Cancer Immunol. Immunother.</i> 49:587-592, Springer-Verlag (January 2001)
AT	<u>3</u>	Arnon, R., et al., "A mimotope peptide-based vaccine against <i>Schistosoma mansoni</i> : synthesis and characterization," <i>Immunology</i> 101:555-562, Blackwell Science, Ltd. (December 2000)

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FORM PTO-1449 <b>FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b>		ATTY. DOCKET NO. 1700.0190004/JAG/BJD/SJE		APPLICATION NO. 10/050,902	
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	AN						Yes No
	AO						Yes No
	AP						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

	AR	4	Bachmann, M.F., and Zinkernagel, R.M., "The influence of virus structure on antibody responses and virus serotype formation," <i>Immunol. Today</i> 17:553-558, Elsevier Science, Ltd. (1996)
	AS	4	Bachmann, M.F., and Zinkernagel, R.M., "Neutralizing Antiviral B Cell Responses," <i>Annu. Rev. Immunol.</i> 15:235-270, Annual Reviews, Inc. (1997)
	AT	4	Bachmann, M.F., et al., "TRANCE, a Tumor Necrosis Factor Family Member Critical for CD40 Ligand-independent T Helper Cell Activation," <i>J. Exp. Med.</i> 189:1025-1031, The Rockefeller University Press (1999)

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AN							Yes No
AO							Yes No
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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	5	Banerjee, R.R., and Lazar, M.A., "Dimerization of Resistin and Resistin-like Molecules Is Determined by a Single Cysteine," <i>J. Biol. Chem.</i> 276:25970-25973, The American Society for Biochemistry and Molecular Biology, Inc. (July 2001)
AS	5	Bard, F. et al., "Peripherally administered antibodies against amyloid $\beta$ -peptide enter the central nervous system and reduce pathology in a mouse model of Alzheimer disease," <i>Nat. Med.</i> 6:916-919, Nature Publishing Company (August 2000)
AT	5	Bass, S., and Yang, M., "Expressing cloned genes in <i>Escherichia coli</i> ," in <i>Protein Function: A Practical Approach</i> , 2nd ed., Creighton, T.E., ed., IRL Press, Oxford, Great Britain, pp. 29-55 (1997)

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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	6	Bernhagen, J., et al., "Purification, Bioactivity, and Secondary Structure Analysis of Mouse and Human Macrophage Migration Inhibitory Factor (MIF)," Biochemistry 33:14144-14155, American Chemical Society (1994)
	AS	6	Biaselle, C.J., and Millar, D.B., "Studies on Triton X-100 detergent micelles," Biophys. Chem. 3:355-361, North-Holland Publishing Company (1975)
	AT	6	Bleul, C.C., et al., "The lymphocyte chemoattractant SDF-1 is a ligand for LESTR/fusin and blocks HIV-1 entry," Nature 382:829-833, Nature Publishing Group (1996)

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AL						Yes No
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AR	7	Blomfield, I.C., et al., "Type 1 Fimbriation and <i>fimE</i> Mutants of <i>Escherichia coli</i> K-12," <i>J. Bacteriol.</i> 173:5298-5307, American Society for Microbiology (1991)
AS	7	Blomfield, I.C., et al., "Integration host factor stimulates both FimB- and FimE-mediated site-specific DNA inversion that controls phase variation of type 1 fimbriae expression in <i>Escherichia coli</i> ," <i>Mol. Microbiol.</i> 23:705-717, Blackwell Science, Ltd. (1997)
AT	7	Boder, E.T., and Wittrup, K.D., "Yeast Surface Display for Directed Evolution of Protein Expression, Affinity, and Stability," <i>Methods Enzymol.</i> 328:430-444, Academic Press (October 2000)

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	AO						Yes No
	AP						Yes No

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	AR	8	Bonci, A., et al., "Relatedness and Phylogeny Within the Family of Periplasmic Chaperones Involved in the Assembly of Pili or Capsule-Like Structures of Gram-Negative Bacteria," <i>J. Mol. Evol.</i> 44:299-309, Springer-Verlag (1997)
	AS	8	Brandner, S., et al., "A crucial role for B cells in neuroinvasive scrapie," <i>Transfus. Clin. Biol.</i> 6:17-23, Elsevier, Paris (1999)
	AT	8	Brinton, Jr., C.C., "The structure, function, synthesis and genetic control of bacterial pili and a molecular model for DNA and RNA transport in gram negative bacteria," <i>Trans. N.Y. Acad. Sci.</i> 27:1003-1054, New York Academy of Sciences (1965)

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AR	9	Brown, K.D., et al., "A family of small inducible proteins secreted by leukocytes are members of a new superfamily that includes leukocyte and fibroblast-derived inflammatory agents, growth factors, and indicators of various activation processes," <i>J. Immunol.</i> 142:679-687, The American Association of Immunologists (1989)
AS	9	Brown, P.M., et al., "A Single-Step Purification of Biologically Active Recombinant Human Interleukin-5 from a Baculovirus Expression System," <i>Protein Expr. Purif.</i> 6:63-71, Academic Press, Inc. (1995)
AT	9	Brown, K.L., et al., "Scrapie replication in lymphoid tissues depends on prion protein-expressing follicular dendritic cells," <i>Nat. Med.</i> 11:1308-1312, Nature Publishing Company (1999)

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	AR	<u>10</u>	Bullitt, E., et al., "Development of pilus organelle subassemblies in vitro depends on chaperone uncapping of a beta zipper," Proc. Natl. Acad. Sci. USA 93:12890-12895, National Academy Press (1996)
	AS	<u>10</u>	Bullitt, E., and Makowski, L., "Bacterial Adhesion Pili Are Heterologous Assemblies of Similar Subunits," Biophys. J. 74:623-632, Biophysical Society (1998)
	AT	<u>10</u>	Burger, J.A., et al., "Blood-derived nurse-like cells protect chronic lymphocytic leukemia B cells from spontaneous apoptosis through stromal cell-derived factor-1," Blood 96:2655-2663, The American Society of Hematology (October 2000)

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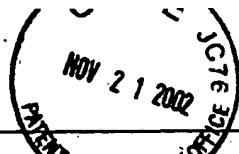
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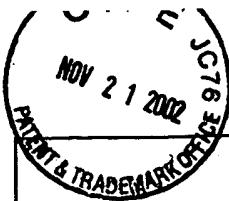
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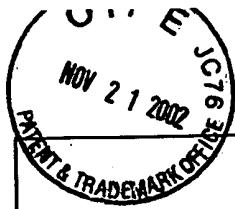
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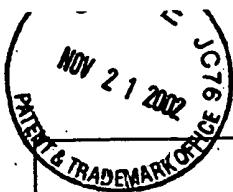
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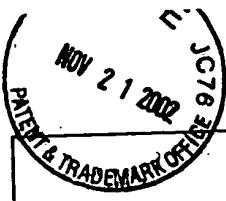
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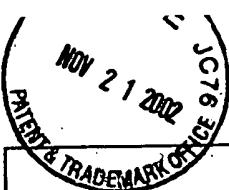
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	AR	<u>26</u>	Holmgren, A., et al., "Conserved immunoglobulin-like features in a family of periplasmic pilus chaperones in bacteria," <i>EMBO J.</i> 11:1617-1622, Oxford University Press (1992)
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	AR	<u>30</u>	Jacob-Dubuisson, F., et al., "Initiation of assembly and association of the structural elements of a bacterial pilus depend on two specialized tip proteins," <i>EMBO J.</i> 12:837-847, Oxford University Press (1993)
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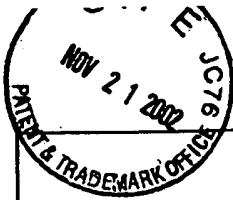
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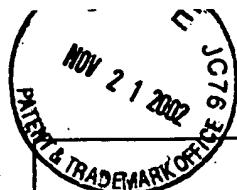
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AL						No
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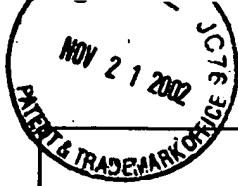
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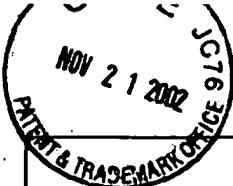
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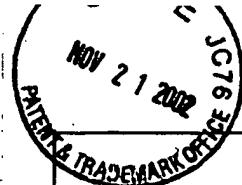
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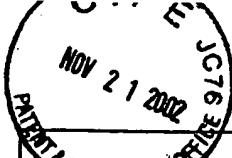
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	AR	<u>49</u>	Mitchell, D.L., et al., "Purification and characterization of recombinant murine interleukin-5 glycoprotein, from a Baculovirus expression system," <i>Biochem. Soc. Trans.</i> 21:332S, Portland Press (1993)
	AS	<u>49</u>	Montrasio, F. et al., "Impaired Prion Replication in Spleens of Mice Lacking Functional Follicular Dendritic Cells," <i>Science</i> 288:1257-1259, American Association for the Advancement of Science (May 2000)
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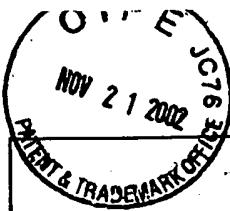
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1700.0190004/JAG/BJD/SJE

APPLICATION NO.  
10/050,902

APPLICANT  
RENNER et al.

FILING DATE  
January 18, 2002

GROUP  
To be assigned

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	AR	<u>50</u>	Moriya, C., et al., "Large quantity production with extreme convenience of human SDF-1 $\alpha$ and SDF-1 $\beta$ by a Sendai virus vector," <i>FEBS Lett.</i> 425:105-111, Amsterdam Elsevier Science B.V. (1998)
	AS	<u>50</u>	Müller, A., et al., "Involvement of chemokine receptors in breast cancer metastasis," <i>Nature</i> 410:50-56, Nature Publishing Group (March 2001)
	AT	<u>50</u>	Murphy, Jr., K.P., et al., "Expression of Human Interleukin-17 in <i>Pichia pastoris</i> : Purification and Characterization," <i>Protein Expr. Purif.</i> 12:208-214, Academic Press (1998)

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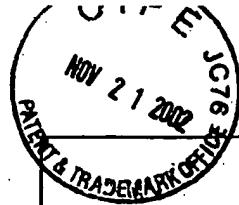
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AT	<u>51</u>	Naureckiene, S., and Uhlin., B.E., "In vitro analysis of mRNA processing by RNase E in the pap operon of <i>Escherichia coli</i> ," <i>Mol. Microbiol.</i> 21:55-68, Blackwell Science, Ltd. (1996)

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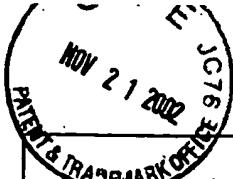
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AR	52	Neirynck, S., et al., "A universal influenza A vaccine based on the extracellular domain of the M2 protein," <i>Nat. Med.</i> 5:1157-1163, Nature Publishing Company (1999)
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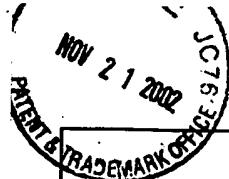
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AR	53	Nilsson, P., et al., "Mutations Affecting mRNA Processing and Fimbrial Biogenesis in the <i>Escherichia coli</i> pap Operon," <i>J. Bacteriol.</i> 178:683-690, American Society for Microbiology (1996)
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AR	<u>54</u>	Olszewska, W., et al., "Protection against Measles Virus-Induced Encephalitis by Anti-mimotope Antibodies: The Role of Antibody Affinity," <i>Virology</i> 272:98-105, Academic Press (June 2000)
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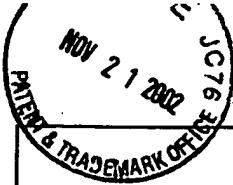
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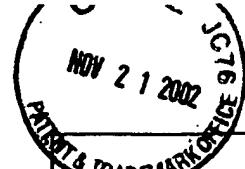
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	AR	<u>55</u>	O'Shea, E.K., et al., "Evidence That the Leucine Zipper Is a Coiled Coil," Science 243:538-542, American Association for the Advancement of Science (1989)
	AS	<u>55</u>	O'Shea, E.K., et al., "Mechanism of Specificity in the Fos-Jun Oncoprotein Heterodimer," Cell 68:699-708, Cell Press (1992)
	AT	<u>55</u>	Pandit, J., et al., "Three-dimensional Structure of Dimeric Human Recombinant Macrophage Colony-Stimulating Factor," Science 258:1358-1362, American Association for the Advancement of Science (1992)

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AR	<u>56</u>	Pierrot, C., et al., "Expression of Rat Interleukin-5 and Generation of Neutralizing Antiserum: a Comparative Study of Rat IL-5 Produced in <i>Escherichia coli</i> and Insect Cells," <i>Biochem. Biophys. Res. Commun.</i> 253:756-760, Academic Press (1998)
AS	<u>56</u>	Pierson-Mullany, L.K., et al. "Characterization of polyclonal allergen-specific IgE responses by affinity distributions," <i>Mol. Immunol.</i> 37:613-620, Elsevier Science, Ltd. (August 2000)
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	AS	57	Priano, C., et al., "A Complete Plasmid-based Complementation System for RNA Coliphage Q $\beta$ : Three Proteins of Bacteriophages Q $\beta$ (Group III) and SP (Group IV) can be Interchanged," J. Mol. Biol. 249:283-297, Academic Press, Ltd. (1995)
	AT	57	Proudfoot, A.E.I., et al., "Preparation and characterization of human interleukin-5 expressed in recombinant Escherichia coli," Biochem. J. 270:357-361, Portland Press, Ltd. (1990)

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AS	<u>58</u>	Risau, W., "Mechanisms of angiogenesis," <i>Nature</i> 386:671-674, Nature Publishing Group (1997)
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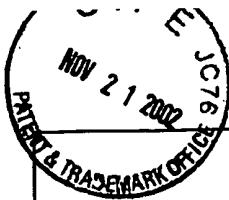
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AR	<u>61</u>	Russell, P.W., and Orndorff, P.E., "Lesions in Two <i>Escherichia coli</i> Type 1 Pilus Genes Alter Pilus Number and Length without Affecting Receptor Binding," <i>J. Bacteriol.</i> 174:5923-5935, American Society for Microbiology (1992)
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AT	<u>61</u>	Saulino, E.T., et al., "Ramifications of kinetic partitioning on usher-mediated pilus biogenesis," <i>EMBO J.</i> 17:2177-2185, Oxford University Press (1998)

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1700.0190004/JAG/BJD/SJE

APPLICATION NO.  
10/050,902

APPLICANT  
RENNER et al.

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
AL						Yes No
AM						Yes No
AN						Yes No
AO						Yes No
AP						Yes No

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AR	62	Schenk, D., et al., "Immunization with amyloid- $\beta$ attenuates Alzheimer-disease-like pathology in the PDAPP mouse," <i>Nature</i> 400:173-177, Nature Publishing Group (1999)
AS	62	Schlesinger, S., "Alphaviruses - vectors for the expression of heterologous genes," <i>Trends Biotechnol.</i> 11:18-22, Elsevier Science Publishers, Ltd. (1993)
AT	62	Selkoe, D.J., "Translating cell biology into therapeutic advances in Alzheimer's disease," <i>Nature</i> 399:A23-A31, Nature Publishing Group (1999)

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AR	<u>64</u>	Soto, G.E., et al., "Periplasmic chaperone recognition motif of subunits mediates quaternary interactions in the pilus," EMBO J. 17:6155-6167, Oxford University Press (1998)
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AT	<u>64</u>	Steppan, C.M., et al., "The hormone resistin links obesity to diabetes," Nature 409:307-312, Nature Publishing Group (January 2001)

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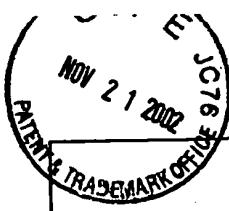
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AS	<u>65</u>	Strauss, J., and Strauss, E.G., "The Alphaviruses: Gene Expression, Replication, and Evolution," <i>Microbiol. Rev.</i> 58:491-562, American Society for Microbiology (1994)
AT	<u>65</u>	Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chaperone-Subunit Complexes in Pilus Biogenesis," <i>J. Biol. Chem.</i> 269:12233-12239, The American Society for Biochemistry and Molecular Biology, Inc. (1994)

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	AR	<u>66</u>	Sturchler-Pierrat, C., et al., "Two amyloid precursor protein transgenic mouse models with Alzheimer disease-like pathology," Proc. Natl. Acad. Sci. USA 94:13287-13292, National Academy Press (1997)
	AS	<u>66</u>	Sun, H.-W., et al., "Crystal structure at the 2.6-Å resolution of human macrophage migration inhibitory factor," Proc. Natl. Acad. Sci. USA 93:5191-5196, National Academy Press (1996)
	AT	<u>66</u>	Tang, J.-L., et al., "Interleukin-17 antagonism inhibits acute but not chronic vascular rejection," Transplantation 72:348-350, Lippincott Williams & Wilkens (July 2001)

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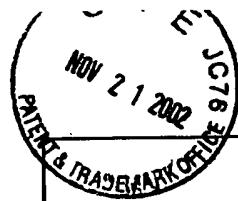
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AR	67	Tanimori, H., et al., "Enzyme immunoassay of neocarzinostatin using $\beta$ -galactosidase as label," <i>J. Pharm. Dyn.</i> 4:812-819, Pharmaceutical Society of Japan (1981)
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AT	67	Tewari, R., et al., "Neutrophil Activation by Nascent FimH Subunits of Type I Fimbriae Purified from the Periplasm of <i>Escherichia coli</i> ," <i>J. Biol. Chem.</i> 268:3009-3015, The American Society for Biochemistry and Molecular Biology, Inc. (1993)

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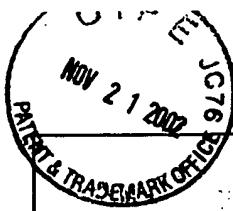
AR	<u>68</u>	Teunissen, M.B.M., et al., "Interleukin-17 and Interferon- $\gamma$ Synergize in the Enhancement of Proinflammatory Cytokine Production by Human Keratinocytes," <i>J. Invest. Dermatol.</i> 111:645-649, The Society for Investigative Dermatology, Inc. (1998)
AS	<u>68</u>	Thanassi, D.G., et al., "The PapC usher forms an oligomeric channel: Implications for pilus biogenesis across the outer membrane," <i>Proc. Natl. Acad. Sci. USA</i> 95:3146-3151, National Academy Press (1998)
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AR	<u>69</u>	Topchieva, I., and Karezin, K., "Self-Assembled Supramolecular Micellar Structures Based on Non-ionic Surfactants and Cyclodextrins," <i>J. Colloid Interface Sci.</i> 213:29-35, Academic Press (1999)
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AT	<u>69</u>	Ulrich, R., et al., "Core particles of hepatitis B virus as carrier for foreign epitopes," <i>Adv. Virus Res.</i> 50:141-182, Academic Press (1998)

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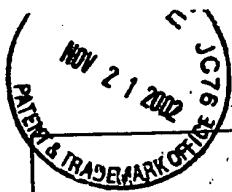
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>70</u>	Vicari, A.P., et al., "Antitumor Effects of the Mouse Chemokine 6CKine/SLC Through Angiostatic and Immunological Mechanisms," <i>J. Immunol.</i> 165:1992-2000, The American Association of Immunologists (August 2000)
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AT	<u>70</u>	Walse, B., et al., "Transferred nuclear Overhauser effect spectroscopy study of a peptide from the PapG pilus subunit bound by the <i>Escherichia coli</i> PapD chaperone," <i>FEBS Lett.</i> 412:115-120, Elsevier Science B.V. (1997)

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	AR	<u>71</u>	Warnes, A., et al., "Expression of the measles virus nucleoprotein gene in <i>Escherichia coli</i> and assembly of nucleocapsid-like structures," <i>Gene</i> 160:173-178, Elsevier Science B.V. (1995)
	AS	<u>71</u>	Watson, E., et al., "Structure determination of the intact major sialylated oligosaccharide chains of recombinant human erythropoietin expressed in Chinese hamster ovary cells," <i>Glycobiology</i> 4:227-237, Oxford University Press (1994)
	AT	<u>71</u>	Wei, Y.Q., et al., "Immunotherapy of tumors with xenogeneic endothelial cells as a vaccine," <i>Nat. Med.</i> 6:1160-1166, Nature Publishing Company (October 2000)

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	AS	72	Wong, C.K., et al., "Elevation of proinflammatory cytosine (IL-18, IL-17, IL-12) and Th2 cytokine (IL-4) concentrations in patients with systemic lupus erythematosus," <i>Lupus</i> 9:589-593, Macmillan Publishers Ltd. (2000)
	AT	72	Wu, Q., et al. "Reversal of Spontaneous Autoimmune Insulitis in Nonobese Diabetic Mice by Soluble Lymphotoxin Receptor," <i>J. Exp. Med.</i> 193:1327-1332, The Rockefeller University Press (June 2001)

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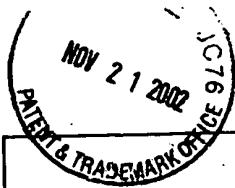
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	AR	73	Wuttke, M., et al., "Structural Characterization of Human Recombinant and Bone-derived Bone Sialoprotein," <i>J. Biol. Chem.</i> 276:36839-36848, The American Society for Biochemistry and Molecular Biology, Inc. (2001)
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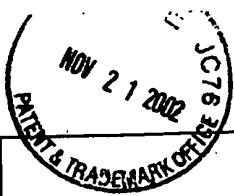
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FOREIGN PATENT DOCUMENTS

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AL						Yes No
AM						Yes No
AN						Yes No
AO						Yes No
AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	75	Yuan, T-T., et al., "Subtype-Independent Immature Secretion and Subtype-Dependent Replication Deficiency of a Highly Frequent, Naturally Occurring Mutation of Human Hepatitis B Virus Core Antigen," <i>J. Virol.</i> 73:10122-10128, American Society for Microbiology (1999)
AS	75	Zang, M., et al., "Production of Recombinant Proteins in Chinese Hamster Ovary Cells Using A Protein-Free Cell Culture Medium," <i>Bio/Technology</i> 13:389-392, Nature Publishing Company (1995)
AT	75	Zhou, S., and Standring, D.N., "Cys Residues of the Hepatitis B Virus Capsid Protein Are Not Essential for the Assembly of Viral Core Particles but Can Influence Their Stability," <i>J. Virol.</i> 66:5393-5398, American Society for Microbiology (1992)

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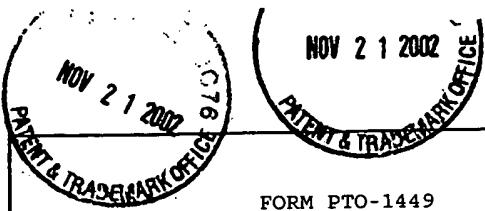
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FIRST SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
1700.0190004/JAG/BJD/SJE

APPLICATION NO.  
10/050,902

APPLICANT  
RENNER et al.

FILING DATE  
January 18, 2002

GROUP  
To be assigned

## U.S. PATENT DOCUMENTS

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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	76	Zimmermann, N., et al., "Murine Eotaxin-2: A Constitutive Eosinophil Chemokine Induced by Allergen Challenge and IL-4 Overexpression," <i>J. Immunol.</i> 165:5839-5846, The American Association of Immunologists (November 2000)
AS	76	Ziolkowska, M., et al., "High Levels of IL-17 in Rheumatoid Arthritis Patients: IL-15 Triggers In Vitro IL-17 Production Via Cyclosporin A-Sensitive Mechanism," <i>J. Immunol.</i> 164:2832-2838, The American Association of Immunologists (March 2000)
AT	76	Zuercher, A.W., et al., "Oral anti-IgE immunization with epitope-displaying phage," <i>Eur. J. Immunol.</i> 30:128-135, Wiley-Vch Verlag GmbH (January 2000)

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FORM PTO-1449  <u>FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</u>		ATTY. DOCKET NO. 1700.0190004/JAG/BJD/SJE	APPLICATION NO. 10/050,902
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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	77	Copy of co-pending U.S. Application No. 09/449,631, inventors Renner et al., filed November 30, 1999.
	AS	77	Copy of co-pending U.S. Application No. 10/050,898, inventors Renner et al., filed January 18, 2002.
	AT	77	Fehr, T., et al., "T cell-independent type I antibody response against B cell epitopes expressed repetitively on recombinant virus particles," Proc. Natl. Acad. Sci. USA 95:9477-9481, National Academy Press (1998)

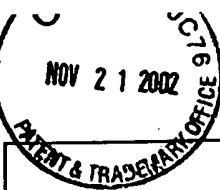
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	AR	78	Frenkel, D., et al., "Generation of auto-antibodies towards Alzheimer's disease vaccination," Vaccine 19:2615-2619, Elsevier Science, Ltd. (March 2001)
	AS	78	International Search Report for International Application No. PCT/IB02/00166 mailed on October 29, 2002.
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